CUSTOMER NUMBER **27792**

INFORMATION DISCLOSURE STATEMENT LISTING SHEET

Information Cited By Applicant(s) That May Be Material To The Prosecution Of The Subject Application

Applicant:	Andrew Wilson	Attorney Docket No. MICR0482	
Serial No.:	10/814,577	Group Art Unit: ~~2127~~ 2876	
Filed:	March 31, 2004	Examiner: Kristy A. Haupt	
Title:	IDENTIFICATION OF OBJECT ON INTERACTIVE DISPLAY SURFACE BY IDENTIFYING CODED PATTERN		

U.S. PATENT DOCUMENTS

*Examiner Initial	ID	Document No.	Date	Name	Class	Sub-Class
KH	US1	4,992,650	02/12/1991	Somerville	235	462

FOREIGN PATENT DOCUMENTS

NONE CITED

OTHER INFORMATION

*Examiner Initial	Document No.	Document Information
KH	O1	"3.6 Interpolation in Two or More Dimensions." Numerical Recipes in C: The Art of Scientific Computing. Chapter 3. Interpolation and Extrapolation. © 1988-1992, Cambridge University Press. Numerical Recipes Software. pp. 123-128.
KH	O2	"Bar Code 1, 2-Dimensional Bar Code Page." Available http://www.adams1.com/pub/russadam/stack.html. Printed 01/20/2004. 14pp.
KH	O3	Ambiente article. "InteracTable®." Dated 07-Jul-2k. Available http://www.darmstadt.gmd.de/ambiente/activities/interactable.html. Printed 11/21/2003. 3pp.
KH	O4	Bier, Stone, Pier, Buston, and DeRose. "Toolglass and Magic Lenses: The See-Through Interface." *Proceedings of Siggraph '93* (Anaheim, August). *Computer Graphics Annual Conference Series*, ACM, 1993, pages 73-80. 8pp.
KH	O5	Blickenstorfer, Conrad H. "First Look: Acer TravelMate TM100 with Windows XP Tablet PC Edition." Pen Computing Magazine. July 2002. pp. 44-47.
KH	O6	"DiamondSpin - Begs for Direct Manipulation Technology Is it the Pen? Sony Leaps Out-of-the-Box Again with Gummi." Mitsubishi/DiamondSpin. CHI 2004 #3. Printed 4/30/2004. 5pp.

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OTHER INFORMATION

*Examiner Initial	Document No.	Document Information
KH	O7	Dietz and Leigh. "DiamondTouch: A Multi-User Touch Technology." *UIST '01* Orlando FLA. © ACM 2001 1-58113-438-x/01/11. CHI Letters 3 (2). November 11-14, 2001. pp. 219-226.
	O8	Electronic Check Alliance Processing, Inc. "Gift Cards, How Stored Value Card Systems Work." Available. http://www.electron-cap.com/GiftCards.htm. Printed 1/20/2004 and 05/16/2004. ©2003. 2pp. total (3pp printed).
	O9	Fukuchi and Rekimoto. "Interaction Techniques for SmartSkin." *ACM UIST 2002 demonstration*, 2002. 2pp.
	O10	Grabowski, Robert. "A Miniature Video Laser Range Finder for Small Robots." Available http://www.andrew.cmu.edu/~rjg/research/research_hardware/laser_rangefinder.html. Printed 5/16/2004. 8pp.
	O11	Grant and Winograd. "Flexible, Collaborative Organization on a Tabletop." *ACM CSCW 2002: Workshop on Co-located Tabletop Collaboration: Technologies and Directions*. New Orleans, LA. November 2002. pp. 1-4.
	O12	Horn, Berthold K. P. "Robot Vision." The MIT Press. Available http://mitpress.mit.edu/catalog/item/default.asp?ttype=2&tid=8388. Printed 12/17/2003. 6pp. total.
	O13	Horn, Berthold Klaus Paul. "Robot Vision." Binary Images: Topological Properties. The MIT Electrical Engineering and Computer Science Series. 1986. pp. 66-71 and cover page(s).
	O14	Hunter, Andrew. "Connected Components Analysis (Computer Vision)." www.google.com search results http://www.google.com/search?sourceid=navclient&q=connected+component+ellipse. Printed 3/7/2004. Article dated 09/24/2002. 2pp search results, 21pp article.
	O15	"IR Distance Sensor." Available http://www.diyelectronics.com/Accessories/IRDS.html (2pp) and http://www.diyelectronics.com/Accessories/GP2D05.html (1pg). Printed 12/30/2003. 3pp.
	O16	Ishii and Ullmer. "Tangible Bits: Towards Seamless Interfaces between People, Bits and Atoms." *Proceedings of CHI '97*, March 22-27, 1997, Atlanta, Georgia. © 1997 ACM 0-89791-802-9/97/03. pp. 1-8.
	O17	Ishii, Wisneski, Orbanes, Chun, and Paradiso. "PingPongPlus: Design of an Athletic-Tangible Interface for Computer-Supported Cooperative Play." *Proceeding of CHI '99*, May 15-20, 1999, © 1999 ACM. pp. 1-8.
	O18	Johanson, Kolodny, and Russell. "A Hand pose and Position Tracker for the Interactive Table." CS223B Final Project. Available http://graphics.stanford.edu/~drussel/vision/tracker-report.html. Printed 12/16/2003, 6pp.
	O19	Ju, Hurwitz, Judd, and Lee. "CounterActive: An Interactive Cookbook for the Kitchen Counter." *Extended Abstracts of CHI 2001*, Seattle. April 2001. pp. 269-270.
	O20	Kang, Sing Bing. "Radial Distortion Snakes." *IAPR Workshop on Machine Vision Applications (MVA2000)*, Tokyo, Japan. November 2000. pp. 603-606.
	O21	Kato, Billinghurst, Poupyrev, Imamoto, and Tachibana. "Virtual Object Manipulation on a Table-Top AR Environment." *IEEE and ACM Int'l Symposium on Augmented Reality 2000, ISAR '2000, October 5-6, 2000, Munich*. 9pp.
	O22	Klemmer, Newman, and Sapien. "The Designer's Outpost: A Task-Centered Tangible Interface for Web Site Information Design." *Proceedings of Human Factors in Computing Systems: CHI 2000 Extended Abstracts*. The Hague, The Netherlands. April 1-6, 2000. pp. 333-334.
	O23	Klemmer, Newman, Farrell, Bilezikjian, and Landay. "The Designers' Outpost: A Tangible Interface for Collaborative Web Site Design." *CHI Letters, The 14th Annual ACM Symposium on User Interface Soft Technology: UIST 2001*. 3(2). pp. 1-10.
	O24	Kobayashi, Hirano, Narita, and Ishii. "A Tangible Interface for IP Network Simulation." *CHI 2003*, April 5-10, 2003, Ft. Lauderdale, FL. ACM 1-58113-630-7/03/0004. 2pp.
KH	O25	Koike, Sato, and Kobayashi. "Integrating Paper and Digital Information on EnhancedDesk: A Method for Realtime Finger Tracking on an Augmented Desk System." *ACM Transaction on Computer-Human Interaction*, Vol. 8 No. 4, December 2001. © 2001 ACM 1073-0516/01/1200-0307. pp. 307-322.

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OTHER INFORMATION

*Examiner Initial	Document No.	Document Information
KH	O26	Leibe, Starner, Ribarsky, Wartell, Krum, Singletary, and Hodges. "The Perceptive workbench: Toward Spontaneous and Natural Interaction In Semi-Immersive Virtual Environments." *Proceedings of the IEEE Virtual Reality 2000 Conference*, March 18-22, 2000. New Brunswick, New Jersey: IEEE Computer Society, 2000. 8pp.
	O27	Leigh and Dietz. "DiamondTouch Characteristics and Capabilities." Mitsubishi Electric Research Laboratories, Cambridge, Massachusetts, USA. Undated. 2pp.
	O28	Magerkurth, Stenzel, and Prante. "STARS - A Ubiquitous Computing Platform for Computer Augmented Tabletop Games." *5th International Conference on Ubiquitous Computing (Ubicomp '03)*, October 12-15, 2003, Seattle, Washington. 2pp.
	O29	Malandain, Grégoire. "Connected Components Extraction." Available http://www-sop.inria.fr/epidaure/personnel/malandain/segment/connexe.html. Printed 12/18/2003. 3pp.
	O30	Matsushita and Rekimoto. "HoloWall: Designing a Finger, Hand, Body, and Object Sensitive Wall." *UIST '97* Banff, Alberta, Canada. © 1997 ACM 0-89791-881-9/97/10. pp. 209-210.
	O31	Missouri Department Of Revenue. "2D Barcode Technology." Undated. 3pp.
	O32	Moran, Saund, van Melle, Gujar, Fishkin, and Harrison. "Design and Technology for Collaborage; Collaborative Collages of Information on Physical Walls." *UIST '99*. Asheville, NC. © 1999 ACM 1-58113-075-9/99/11, CHI Letters vol 1, 1. pp. 197-206.
	O33	Pangaro, Maynes-Aminzade, and Ishii. "The Actuated Workbench: Computer-Controlled Actuation in Tabletop Tangible Interfaces." *Proceedings of UIST 2002*, October 27-30, 2002. © 2002 ACM. 10pp.
	O34	Paradiso, Hsiao, Strickon, Lifton, and Adler. "Sensor systems for interactive surfaces." *IBM Systems Journal*, Vol. 39, Nos. 3&4, 2000. pp. 892-914.
	O35	Patten, Ishii, Hines, and Pangaro. "Sensetable: A Wireless Object Tracking Platform for Tangible User Interfaces." *Proceedings of CHI 2001*, March 31-April 5, 2001, ACM Press, © 2001 ACM. 8pp.
	O36	Patten, Recht, and Ishii. "Audiopad: A Tag-based Interface for Musical Performance." *Proceedings of Conference on New Interface for Musical Expression (NIME '02)*. Dublin, Ireland, May 24-26, 2002. 6pp.
	O37	Ramos and Balakrishnan. "Fluid Interaction Techniques for the Control and Annotation of Digital Video." *UIST '03* Vancouver, B.C., Canada. © 2003 ACM 1-58113-636-06/03/0010. pp. 105-114.
	O38	Rekimoto and Ayatsuka. "CyberCode: Designing Augmented Reality Environments with Visual Tags." *Proc. of UIST 2000*, 2000. 10pp.
	O39	Rekimoto and Matsushita. "Perceptual Surfaces: Towards a Human and Object Sensitive Interactive Display." *Proceedings of Workshop on Perceptural User Interactes (PUI'97)*, 1997. 3pp.
	O40	Rekimoto and Nagao. "The World through the Computer: Computer Augmented Interaction with Real World Environments." *Proceedings of UIST'95*, 1995. pp. 29-36.
	O41	Rekimoto and Saitoh. "Augmented Surfaces: A Spatially Continuous Work Space for Hybrid Computing Environments." *CHI '99*, 15-20 May 1999. Pittsburgh, Pennsylvania. © ACM 1999 0-201-48559-1/99/05. pp. 378-385.
	O42	Rekimoto, Jun. "Matrix: A Realtime Object Identification and Registration Method for Augmented Reality." *Proc. of Asia Pacific Computer Human Interaction (APCHI '98)*, 1998. 6pp.
	O43	Rekimoto, Jun. "Multiple-Computer User Interfaces: 'Beyond the Desktop' Direct Manipulation Environments." *ACI CHI2000 Video Proceedings*, 2000. 2pp.
KH	O44	Rekimoto, Jun. "Pick-and-Drop: A Direct Manipulation Technique for Multiple Computer Environments." *Proceedings of UIST'97*, 1997. pp. 31-39.

OTHER INFORMATION

*Examiner Initial	Document No.	Document Information
KH	O45	Rekimoto, Jun. "SmartSkin: An Infrastructure for Freehand Manipulation on Interactive Surfaces." *CHI 2002*, April 20-25, 2002, Minneapolis, Minnesota. © 2001 ACM 1-58113-453-3/02/0004. 8pp.
	O46	Rekimoto, Ullmer, and Oba. "DataTiles: A Modular Platform for Mixed Physical and Graphical Interactions." *SIGCHI'01*, March 31-April 4, 2001, Seattle, WA. © 2001 ACM 1-58113-327-8/01/0003. 8pp.
	O47	Reznik, Canny, and Alldrin. "Leaving on a Plane Jet." *2001 Int. Conf. on Intell. Robots & Systems (IROS)*, Maui, Hawaii, October 2001. 6pp.
	O48	Ringel, Gerh, Jin, and Winograd. "Barehands: Implement-Free Interaction with a Wall-Mounted Display." Short Talks. *CHI 2001* 31 March - 5 April. Pp. 367-368.
	O49	Rosenfeld, Zawadzki, Sudol, and Perlin. "Planar Manipulator Display." New York University mrl. NYU Media Research Lab. Available http://cat.nyu.edu/PMD. Printed 5/16/2004. 3pp.
	O50	Rovani, David (Posted by). "My Second Month with the Compaq Tablet." *Home> Reviews, TablePCHome.com - Table PC user community*. Posted 4/10/2003. Available http://www.tabletpchome.com/Messages.aspx?ThreadID=140. Printed 12/30/2003. pp. 1-2 of 5.
	O51	Schmalstieg, Encarnação, and Szalavári. "Using Transparent Props for Interaction With The Virtual Table." Presented at *1999 ACM Symposium on Interactive 3D Graphics (I3DG '99)*. April 26-28, 1999, Atlanta, GA. 7pp.
	O52	Scott, Grant, and Mandryk. "System Guidelines for Co-located collaborative Work on a Tabletop Display." *Proceedings of ECSCW'03, European Conference Computer-Supported Cooperative Work 2003*, Helsinki, Finland, September 14-18, 2003. 20pp.
	O53	Shen, Everitt, and Ryall. "UbiTable: Impromptu Face-to-Face Collaboration on Horizontal Interactive Surfaces." © Mitsubishi Electric Research Laboratories, Inc., 2003. Cambridge, Massachusetts. TR-2003-49. September 2003. 10pp.
	O54	Shen, Lesh, and Vernier. "Personal Digital Historian: Story Sharing Around the Table." *Interactions*. March + April 2003. pp. 15-22.
	O55	Shen, Lesh, Bernier, Forlines, and Frost. "Sharing and Building Digital Group Histories." *CSCW'02*, November 16-20, 2002, New Orleans, Louisiana. © 2002 ACM 1-58113-560-2/02/0011. 10pp.
	O56	Shen, Lesh, Moghaddam, Beardsley, and Bardsley. "Personal Digital Historian: User Interface Design." © Mitsubishi Electric Research Laboratories, Inc. 2001. Cambridge, Massachusetts. 5pp.
	O57	Shen, Vernier, Forline, and Ringel. "DiamondSpin: An Extensible Toolkit for Around-the-Table Interaction." *CHI 2004*, April 24-29, 2004, Vienna, Austria. © 2004 ACM 1-58113-702-8/04/0004. 8pp.
	O58	SMART Technologies Inc. White Paper. "DViT Digital Vision Touch Technology." February 2003. 10pp.
	O59	Smart Technologies, Inc. "Rear Projection SMART Board ™ Interactive Whiteboard" "SMART Board Software". Available http://www.smarttech.com/Products/rearprojection/index.asp and http://www.smarttech.com/Products/sbsoftware/index.asp. Printed 12/16/2003. 5pp. total.
	O60	Starner, Leibe, Singletary, Lyons, Gandy, and Pair. "Towards Augmented Reality Gaming." Available http://www.gvu.gatech.edu/ccg/publications/imagina2000/. Printed 12/30/2003. 27pp.
	O61	Streitz, Geißler, Holmer, Konomi, Müller-Tomfelde, Reischl, Rexrogh, Seitz, and Steinmetz. "i-LAND: An interactive Landscape for Creativity and Innovation." *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI'99)*, Pittsburgh, Pennsylvania, May 15.-20, 1999. ACM Press, New York. Pp. 120-127.
	O62	Symanzik, Jürgen. "Three-Dimensional Statistical Graphics Based On Interactively Animated Anaglyphs." Published 1993. Available http://citeseer.mj.nec.com/95667.html. Printed 2/25/2004. 7pp. total.
KH	O63	"The Tablet PC A detailed look at Microsoft's proposed Tablet PC." *Pen Computing Magazine: Tablet PC*. Available http://www.pencomputing.com/frames/textblock_tablet_pc.html. Printed 12/30/2003. pp. 1

OTHER INFORMATION

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